



SEQUENCE LISTING

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United States Department of Agriculture
Agricultural Research Service
Plant Gene Expression Center

<120> DNA Recombination in Eukaryotic Cells by the
Bacteriophage phiC31 Recombination System

<130> 02307B-099030US

<140> US 10/721,980
<141> 2003-11-24

<150> US 60/145,469
<151> 1999-07-23

<150> US 09/620,800
<151> 2000-07-21

<160> 8

<170> PatentIn Ver. 2.1

<210> 1
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:ura4 primer

<400> 1
gtcaaaaagt ttcgtcaata tcac 24

<210> 2
<211> 102
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:90 bp of the
attB sequence contained in pFY12 flanked by
HindIII and KpnI sites

<400> 2
aagcttgacg gtctcgaagc cgcggtgcgg gtgccagggc gtgcccttgg gctccccggg 60
cgcgtactcc acctcaccca tctggtccat catgatggta cc 102

<210> 3
<211> 63
<212> DNA
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:50 bp of the
 attB sequence contained in pFY14 flanked by
 HindIII and KpnI sites

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 acc 63

<210> 4
 <211> 44
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:30 bp of the
 attB sequence contained in pFY15 flanked by
 HindIII and KpnI sites

<400> 4
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<210> 5
 <211> 102
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:90 bp of the
 attP sequence contained in pFY17 flanked by SacI
 and BamHI sites

<400> 5
 gagctcgaag cggttttcgg gagtagtgcc ccaactgggg taacctttga gttctctcag 60
 ttgggggcgt agggtcgccg acatgacaca aggggtggat cc 102

<210> 6
 <211> 62
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:50 bp of the
 attP sequence contained in pFY19 flanked by SacI
 and BamHI sites

<400> 6
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 cc 62

<210> 7
 <211> 42
 <212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:32 bp of the
attP sequence contained in pFY20 flanked by SacI
and BamHI sites

<400> 7

gagctcactg gggtaacctt tgagttctct cagttgggat cc

42

<210> 8

<211> 89

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:synthetic
oligonucleotide containing a Kozack sequence and
the N-terminal amino acid coding sequences of the
integrase gene

<400> 8

gggcccgcga cgatgacaca aggggttggtg accgggggtgg acacgtacgc gggtgcttac 60
gaccgtcagt cgcgcgagcg cgagaattc 89